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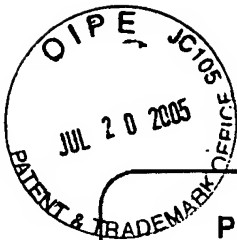
Approved for use through 08/30/2003. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

|   |                          |                        |              |
|---|--------------------------|------------------------|--------------|
| <b>TRANSMITTAL FORM</b><br><br>(to be used for all correspondence after initial filing) | Application Number       | 10/766,095             |              |
|   | Filing Date              | January 27, 2004       |              |
|   | First Named Inventor     | Woonza M. Rhee         |              |
|   | Art Unit                 | 1711                   |              |
|   | Examiner Name            | Unassigned             |              |
| Mail Stop   | Commissioner for Patents | Attorney Docket Number | 2500-2287.08 |

| ENCLOSURES (Check all that apply)  |   |   |                |
|--|---|---|----------------|
| <input checked="" type="checkbox"/> No fee due<br><input type="checkbox"/> Fee Transmittal   | <input type="checkbox"/> Drawing(s)   | <input type="checkbox"/> After Allowance Communication to a Technology Center (TC)      |                |
| <input type="checkbox"/> Fee(s) due<br><input type="checkbox"/> Fee Transmittal<br><input type="checkbox"/> Check for \$*                | <input type="checkbox"/> Licensing-related Papers   | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |                |
| <input checked="" type="checkbox"/> Charge any underpayment or credit any overpayment to Deposit Account No. 18-0580                     | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |                |
| <input checked="" type="checkbox"/> Return postcard  | <input type="checkbox"/> Petition to Convert to a Provisional Application                   | <input type="checkbox"/> Proprietary Information  |                |
| <input type="checkbox"/> Amendment/Reply<br><input type="checkbox"/> After Final<br><input type="checkbox"/> Affidavits/declaration(s)   | <input checked="" type="checkbox"/> Power of Attorney & Certificate Under 37 C.F.R. 3.73(b) | <input type="checkbox"/> Status Letter  |                |
| <input type="checkbox"/> Extension of Time Request   | <input type="checkbox"/> Terminal Disclaimer  | <input type="checkbox"/> Other Enclosure(s) (please identify below):                    |                |
| <input type="checkbox"/> Express Abandonment Request   | <input type="checkbox"/> Request for Refund   |   |                |
| <input type="checkbox"/> Information Disclosure Statement & Form(s) PTO-1449<br><input type="checkbox"/> Copy(ies) of cited reference(s) | <input type="checkbox"/> CD, Number of CD(s):   |   |                |
| <input type="checkbox"/> Certified Copy of Priority Document(s)  | Remarks:  |   |                |
| <input type="checkbox"/> Response to Missing Parts / Incomplete Application  |   |   |                |
| <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53   |   |   |                |
| SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT   |   |   |                |
| Firm or Individual Name (print/type)   | Karen Canaan, Reg. No. 42,382<br>Reed Intellectual Property Law Group                       | Telephone   | (650) 251-7700 |
| Signature  | <i>Karen Canaan</i>   | Date  | July 18, 2005  |

| CERTIFICATE OF MAILING  |                       |      |               |
|---|-----------------------|------|---------------|
| I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. |                       |      |               |
| Name (print/type)   | Yesenia Cuevas        |      |               |
| Signature   | <i>Yesenia Cuevas</i> | Date | July 18, 2005 |



**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

|                        |                                |
|------------------------|--------------------------------|
| Application Number     | 10/766,095                     |
| Filing Date            | January 27, 2004               |
| First Named Inventor   | Woonza M. Rhee                 |
| Title                  | Dehydrated, Shaped Matrix..... |
| Art Unit               | 1711                           |
| Examiner Name          | Unassigned                     |
| Attorney Docket Number | 2500-2287.08                   |

I hereby appoint:

☒ Practitioners associated with the Customer Number:

23980

AND

☒ Practitioner(s) named below:

| Name               | Registration Number |
|--------------------|---------------------|
| David D. McMasters | 33,963              |
| David W. Parker    | 37,414              |
| David D. Phinney   | 48,364              |
| Karen B. Geahigan  | 52,936              |

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

☒ The address associated with the above-mentioned Customer Number:

OR

☐ The address associated with Customer Number:

OR

|  |                                      |       |                |     |            |
|--|--------------------------------------|-------|----------------|-----|------------|
| <input type="checkbox"/> Firm or Individual Name |                                      |       |                |     |            |
| Address  | Reed Intellectual Property Law Group |       |                |     |            |
| Address  | 1400 Page Mill Road                  |       |                |     |            |
| City   | Palo Alto                            | State | CA             | Zip | 94304-1124 |
| Country  | USA                                  |       |                |     |            |
| Telephone  | (650) 251-7700                       | Fax   | (650) 251-7739 |     |            |

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

**SIGNATURE of Applicant or Assignee of Record**

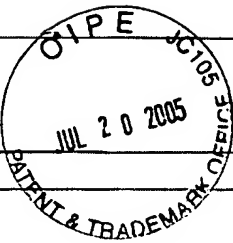
|           |                              |           |              |
|-----------|------------------------------|-----------|--------------|
| Name      | David J. Parker, J.D., Ph.D. |           |              |
| Signature | <i>David J. Parker</i>       |           |              |
| Date      | July 15, 2005                | Telephone | 425 831 4405 |

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTC. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



## CERTIFICATE UNDER 37 C.F.R. §3.73(b)

## TO THE COMMISSIONER FOR PATENTS

In re application of: Woonza M. RHEE et al.  
 Serial No.: 10/766,095  
 Filed: January 27, 2004  
 For: DEHYDRATED, SHAPED MATRIX AND USE THEREOF IN THE TREATMENT OF VASCULAR MALFORMATION

Angiotech BioMaterials Corp., a Delaware corporation, certifies that it is the assignee of the entire right, title and interest in the patent application identified above by virtue of either

A. ☐ An assignment from the inventors of the patent application identified above, a copy of which is attached.

OR

B. ☒ A chain of title from the inventor(s) of the patent application identified above, to the current assignee as shown below:

1. From: Woonza M. Rhee, Frank A. DeLustro, Richard A. Berg To: Collagen Corporation

The document was recorded in the Patent and Trademark Office at Reel 7840, Frame 0264, and for which a copy thereof is attached.

2. From: Collagen Corporation To: Cohesion Technologies, Inc.

The document was recorded in the Patent and Trademark Office at Reel 9648, Frame 0228, and for which a copy thereof is attached.

☒ Additional documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified above.

☒ Copies of assignments or other documents in the chain of title are attached.

a.) Name change for Cohesion Technologies, Inc. to Angiotech BioMaterials, Corp., filed for recording on June 21, 2005.

b.)

c.)

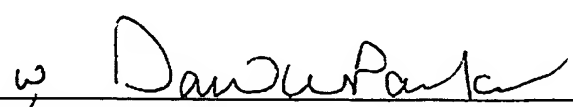
The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are true; and further that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Assignee

July 15, 2005  
 Date

  
 Name: David J. Parker, J.D., Ph.D.

Title: Vice President of Intellectual Property



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D C 20231

JUNE 06, 1996

PTAS

COLLAGEN CORPORATION  
KATHI RAFAYKO  
2500 FABER PLACE  
PALO ALTO, CA 94303



\*100154323A\*

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, NORTH TOWER BUILDING, SUITE 10C35, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/29/1996

REEL/FRAME: 7840/0264  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RHEE, WOONZA M.

DOC DATE: 02/28/1996

ASSIGNOR:

DELUSTRO, FRANK A.

DOC DATE: 02/28/1996

ASSIGNOR:

BERG, RICHARD A.

DOC DATE: 02/28/1996

ASSIGNEE:

COLLAGEN CORPORATION  
2500 FABER PLACE  
PALO ALTO, CALIFORNIA 94303

SERIAL NUMBER: 08573799

PATENT NUMBER:

FILING DATE: 12/18/1995

ISSUE DATE:

7840/0264 PAGE 2

KEITH GOODE, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

11/24/29/96  
RECEIVED  
FEB 29 1996  
PATENT

03-21-1996  
100154323

Exp. Mail No. EM256105492US  
Docket No. 95-029

NOTIFICATION COVER SHEET

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof

1. Name of conveying party(ies):  
  
Woonza M. Rhee; Frank A. DeLustro;  
Richard A. Berg

2. Identity of party(ies) to whom transfer is to be made:

Collagen Corporation  
2500 Faber Place  
Palo Alto, CA 94303

| FEE VALUE<br>to ACCOUNTABILITY<br>DEPOSIT ACCOUNT NO. |                    |
|---|--------------------|
| 03  | 2463               |
| FEE<br>CODE   | VALUE<br>FURNISHED |
| 581   | 40                 |
| — Other   |                    |
|   |                    |
|   |                    |

3. Nature of conveyance: X Assignment      — Change of Name  
Execution Date: February 28, 1996

4. Identification of application:

Inventor(s): Woonza M. Rhee, Frank A. DeLustro, Richard A. Berg.  
Serial/Patent No.: 08/573,799  
Docket No.: 95-029  
Filing Date: December 18, 1995  
Title of Invention: **CROSSLINKED POLYMER COMPOSITIONS AND METHODS FOR THEIR USE**

5. Address to which document should be returned after recordal:

Kathi Rafayko  
Collagen Corporation  
2500 Faber Place  
Palo Alto, CA 94303

6. Total number of applications and patents involved: 1

7. Fee payment is provided for as follows:

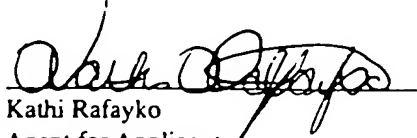
- In accompanying New Application Transmittal Letter.
- In accompanying FWC Transmittal Letter.
- X The Commissioner is authorized to charge Deposit Account No. 03-2463 of Collagen Corporation, Palo Alto, California, in the amount of \$40.00 for recordation of the attached assignment document. This recordation cover sheet is provided in triplicate for accounting purposes.

RT09089 03/20/96 08573799 03-2463 090 581 40.00CH

8. Statement and Signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Collagen Corporation  
2500 Faber Place  
Palo Alto, CA 94303  
(415) 354-4642

  
Kathi Rafayko  
Agent for Applicant  
Registration No. 36,644

Best Available Copy

**ASSIGNMENT OF INVENTION, PRIORITY RIGHTS  
AND RIGHTS TO APPLY FOR PATENTS**

I, the undersigned, Woonza M. Rhee , citizen of USA , residing at 3485 LaDonna Avenue, Palo Alto, CA 94306, and

I, the undersigned, Frank A. DeLustro, citizen of USA , residing at 2517 DeKoven Avenue, Belmont, CA 94002, and

I, the undersigned, Richard A. Berg , citizen of USA , residing at 660 South Springer Road, Los Altos, CA 94024,

HEREBY STATE UNDER OATH that I am an original and first inventor of an invention for  
**CROSSLINKED POLYMER COMPOSITIONS AND METHODS FOR THERI USE**

as described and/or claimed in my first application for Letters Patent in the United States of America,  
\_\_\_\_ prepared by the \_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ and ready for filing under Attorney Docket  
No. \_\_\_\_\_

or

X Serial No.08/573,799, filed on the 18 day of December, 1995.

NOW, THEREFORE, in consideration of my employment by Collagen Corporation, and by virtue of an employment agreement with Collagen Corporation by which I have been under a continuous obligation since prior to and during the invention of the subject matter of the above - referenced invention to assign rights under said application for Letters Patent to Collagen Corporation,

I DO HEREBY ASSIGN AND TRANSFER my absolute right, title, and interest in said invention and application, including all rights of priority under International Conventions unto  
**COLLAGEN CORPORATION**

manufacturers, a corporation organized and existing under the laws of the State of Delaware, United States of America, its successors, assigns and nominees, and having an office at 2500 Faber Place, Palo Alto, State of California, 94303, United States of America, as the Assignee, without any restrictions, reservations or limitations, the entire right, title and interest in and to the aforesaid application for Letters Patent and all patents which may be granted therefore, and all divisions, continuations, continuations-in-part, reissues and extensions thereof;

AND ALL PRIORITY RIGHTS derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property, for any and all member countries of the aforesaid International Conventions;

AND THE SOLE RIGHT to file such applications under the Patent Laws of any country of the world in its name and/or ours, and the sole right to have patents granted on said applications in its name and/or ours to the full end of the term for which said patents may be granted as fully and entirely as the same would have been held by me had this assignment not been made, and to enforce said patents with my right to sue for and recover accrued profits or damages for any and all infringements thereof;

AND AUTHORIZE the above-named assignee to insert in this instrument the serial number and filing date of said application;

AND AUTHORIZE AND REQUEST the Commissioner of Patents and Trademarks to issue all patents on said invention or resulting therefrom to said Corporation as Assignee of the entire interest, and covenant that we have full right so to do, and agree that we will communicate to said Corporation or its representatives any facts known to us respecting said improvements and testify in any legal proceedings, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid said Corporation, its successors, assigns, and nominees, to obtain and enforce proper protection for said invention in all countries.

SIGNED AND SEALED at Palo Alto, California this 28 day of Feb, 1996.

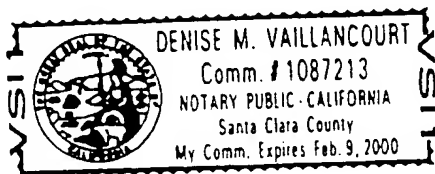
IN WITNESS WHEREOF, I have hereunto set my hands and affixed my seal.

Woonza M. Rhee

Woonza M. Rhee

State of California                    §  
   §        ss:  
County of Santa Clara            §

Subscribed and Sworn before me, Denise M. Vaillancourt, Notary Public, on this 28 day of February, 1996, personally appeared Woonza M. Rhee, personally known to me to be the person whose name is subscribed to the within instrument.



WITNESS my hand and official seal.

Denise M. Vaillancourt

Denise M. Vaillancourt, Notary Public

SIGNED AND SEALED at Palo Alto, California this 28 day of Feb, 1996.

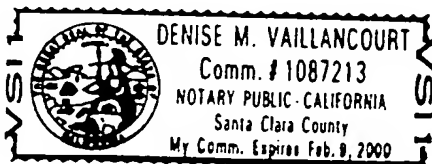
IN WITNESS WHEREOF, I have hereunto set my hands and affixed my seal.

Frank A. DeLustro

Frank A. DeLustro

State of California                    §  
   §        ss:  
County of Santa Clara            §

Subscribed and Sworn before me, Denise M. Vaillancourt, Notary Public, on this 28 day of Feb, 1996, personally appeared Frank A. DeLustro, personally known to me to be the person whose name is subscribed to the within instrument.



WITNESS my hand and official seal.

Denise M. Vaillancourt

Denise M. Vaillancourt, Notary Public

Best Available Copy



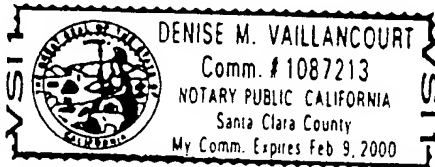
SIGNED AND SEALED at Palo Alto, California this 28 day of February, 1996  
IN WITNESS WHEREOF, I have hereunto set my hands and affixed my seal.

Richard A. Berg  
Richard A. Berg

State of California §  
County of Santa Clara § ss:  
§

Subscribed and Sworn before me, Denise M. Vaillancourt, Notary Public, on this 28 day  
of February, 1996, personally appeared Richard A. Berg, personally known to me to be the  
person whose name is subscribed to the within instrument.

WITNESS my hand and official seal.



Denise M. Vaillancourt  
Denise M. Vaillancourt, Notary Public

#### ACCEPTANCE

WE, the undersigned, COLLAGEN CORPORATION, of 2500 Faber Place, Palo Alto,  
State of California, United States of America 94303, do hereby declare that we have accepted the foregoing  
assignment.

Palo Alto, California, U.S.A. Feb 28, 1996.

COLLAGEN CORPORATION

By: Carol F. H. Harner  
Carol F. H. Harner

Title: Vice President, Scientific Affairs

Witness: Gabriel Loosen  
Witness: Cheryl A. Ohlsson

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United States Patent and Trademark Office

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## Assignments on the Web > Patent Query

### Patent Assignment Abstract of Title

***NOTE: Results display only for issued patents and published applications. For pending or abandoned applications please consult USPTO staff.***

#### Total Assignments: 4

**Patent #:** 5874500      **Issue Dt:** 02/23/1999      **Application #:** 08769806      **Filing Dt:** 12/18/1996

**Inventors:** WOONZA M. RHEE, FRANK A. DELUSTRO, RICHARD A. BERG

**Title:** CROSSLINKED POLYMER COMPOSITIONS AND METHODS FOR THEIR USE

#### Assignment: 1

**Reel/Frame:** 008597/0098      **Recorded:** 07/14/1997      **Pages:** 4

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignors:** RHEE, WOONZA M.

**Exec Dt:** 04/22/1997

DELUSTRO, FRANK A.

**Exec Dt:** 04/22/1997

BERG, RICHARD A.

**Exec Dt:** 04/22/1997

**Assignee:** COLLAGEN CORPORATION

2500 FABER PLACE

PALO ALTO, CALIFORNIA 94303

**Correspondent:** MORRISON & FOERSTER LLP

LAURIE A. AXFORD

755 PAGE MILL ROAD

PALO ALTO, CA 94304-1018

#### Assignment: 2

**Reel/Frame:** 014615/0778      **Recorded:** 04/23/2004      **Pages:** 6

**Conveyance:** CHANGE OF NAME (SEE DOCUMENT FOR DETAILS).

**Assignor:** COLLAGEN CORPORATION

**Exec Dt:** 08/09/1998

**Assignee:** COLLAGEN AESTHETICS, INC.

2500 FABER PLACE

PALO ALTO, CALIFORNIA 94303

**Correspondent:** HELLER, EHRMAN, WHITE, ET AL.

PAUL DAVIS

275 MIDDLEFIELD ROAD

MENLO PARK, CA 94025-3506

#### Assignment: 3

**Reel/Frame:** 009593/0702      **Recorded:** 11/16/1998      **Pages:** 2

**Conveyance:** ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** COLLAGEN CORPORATION

**Exec Dt:** 09/23/1998

**Assignee:** COHESION TECHNOLOGIES, INC.

2500 FABER PLACE

PALO ALTO, CALIFORNIA 94303

**Correspondent:** FISH & RICHARDSON P.C.

LAURIE A. AXFORD

4225 EXECUTIVE SQUARE, SUITE 1400

LA JOLLA, CA 92037

**Assignment: 4**

**Reel/Frame:** 009648/0228

**Recorded:** 12/24/1998

**Pages:** 26

**Conveyance:** ASSIGNMENT OF ASSIGNORS INTEREST (SEE DOCUMENT FOR DETAILS).

**Assignor:** COLLAGEN CORPORATION

**Exec Dt:** 11/04/1998

**Assignee:** COHESION TECHNOLOGIES, INC.

2500 FABER PLACE

PALO ALTO, CALIFORNIA 94303

**Correspondent:** FISH & RICHARDSON P.C.

LAURIE A. AXFORD

4225 EXECUTIVE SQUARE

SUITE 1400

LA JOLLA, CA 92037

Search Results as of: 07/08/2005 06:29 PM

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PATENT ASSIGNMENT

This PATENT ASSIGNMENT (the "Assignment") is made from Collagen Corporation, a Delaware corporation (the "Assignor"), to Cohesion Technologies, Inc., a Delaware corporation (the "Assignee").

Assignor desires to assign to Assignee all of Assignor's right, title and interest in and to the patents and/or inventions (the "Patents") set forth in Exhibit A attached hereto.

In consideration for entering into the Assignment and License Agreement, effective as of January 1, 1998, by and between Assignor and Assignee, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Assignor has sold, assigned, transferred, and set over, and by these presents does hereby sell, assign, transfer and set over, to Assignee, its successors, legal representatives and assigns, the entire right, title and interest in and to Patents, any and all corresponding applications, including provisional applications, in the United States of America and all foreign countries which may be granted therefor and thereon, and in and to any and all divisions, continuations and continuations-in-part of said applications, and reissues and extensions of said Patents, and all rights under the International Convention for the Protection of Industrial Property, the same to be held and enjoyed by said Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives and assigns, to the full end of the term or terms for which Patents have been or may be granted, as fully and entirely as the same would have been held and enjoyed by the Assignor, had this sale and assignment not been made.

AND said Assignor hereby requests the Commissioner of Patents to issue said Patents in the United States to said Assignee as the Assignee of said inventions and the Patents to be issued thereon for the sole use and behalf of said Assignee, its successors, legal representatives and assigns.

Executed this 13<sup>th</sup> day of November, 1998,  
at Palo Alto, California

COLLAGEN CORPORATION

By: [Signature]

Name: GARY S. PETERSMEYER

Title: CEO

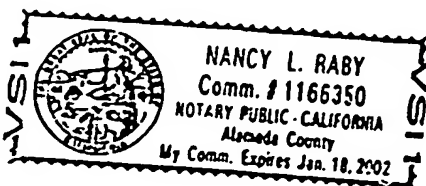
State of California

) ss:

County of Santa Clara

On this 13<sup>th</sup> day of November, 1998, personally appeared Gary S. Petersmeyer, known to me to be the person whose name is subscribed above and signed on behalf of Collagen Corporation, Inc., in his/her capacity of Chief Executive Officer

(seal)



Nancy L. Raby  
Notary Public

We accept this assignment with all rights and obligations pertaining hereto.

Executed this 4<sup>th</sup> day of November, 1998,  
at 2500 Faber Place, Palo Alto, CA.

COHESION TECHNOLOGIES, INC.

By: Frank Delustro

Name: Frank Delustro

Title: President

State of California

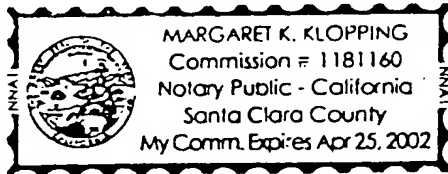
County of Santa Clara

) ss:

On this 4<sup>th</sup> day of November, 1998, personally appeared Frank Delustro,  
known to me to be the person whose name is subscribed above and signed on behalf of Cohesion  
Technologies, Inc., in his/her capacity of President.

Margaret K. Klopping  
Notary Public

(seal)



# EXHIBIT A

| Atty. Ref<br>Client Ref.    | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title  |
|-----------------------------|------------------|------------------|----------------|------------------|---------------|--|
| 20003.10<br>75-001<br>DIV   | UNITED<br>STATES | 05/945,723       | 9/25/78        | 4,233,360        | 11/11/80      | NON-ANTIGENIC COLLAGEN AND<br>ARTICLES OF MANUFACTURE              |
| 20003.20<br>75-001<br>CIP   | UNITED<br>STATES | 06/532,572       | 09/15/83       | 4,488,911        | 12/18/84      | NON-ANTIGENIC COLLAGEN AND<br>ARTICLES OF MANUFACTURE              |
| 20012.00<br>79-001          | UNITED<br>STATES | 06/008,652       | 02/01/79       | 4,250,139        | 02/10/81      | MICROWAVE STERILIZATION OF DRY<br>PROTEIN                          |
| 20012.40<br>79-001<br>CA    | CANADA           | 342,307          | 01/17/80       | 1,110,035        | 10/06/81      | MICROWAVE STERILIZATION OF DRY<br>PROTEIN                          |
| 20025.40<br>81-004<br>CA    | CANADA           | 417,726          | 12/15/82       | 1195051          | 10/15/85      | IMPLANTABLE BONE PROSTHESIS  |
| 20032.00<br>81-010          | UNITED<br>STATES | 06/338,661       | 01/11/82       | 4,424,208        | 01/03/84      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD FOR AUGMENTING SOFT TISSUE |
| 20032.40<br>81-010<br>CA    | CANADA           | 419184           | 01/10/83       | 1199580          | 01/21/86      | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSUE            |
| 20032.41<br>81-010<br>EP    | EUROPE           | 823069109        | 12/23/82       | 0083868          | 4/30/86       | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSUES           |
| 20032.42<br>81-010<br>FR    | FRANCE           | 823069109        | 12/23/82       | 0083868          | 04/30/86      | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSU             |
| 20032.43<br>81-010<br>GB    | GREAT<br>BRITAIN | 823069109        | 12/23/82       | 0083868          | 04/30/86      | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSUE            |
| 20032.44<br>81-010<br>DE    | GERMANY          | 823069109        | 12/23/82       | P3270910.2       | 04/30/86      | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSUE            |
| 20032.45<br>81-010<br>IT    | ITALY            | 823069109        | 12/23/82       | 0083868          | 04/30/86      | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSUE            |
| 20032.46<br>81-010<br>JP    | JAPAN            | 57212109         | 12/04/82       | 1329859          | 07/30/86      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD FOR AUGMENTING SOFT TISSUE |
| 20032.47<br>81-010<br>CH    | SWITZER-<br>LAND | 823069109        | 12/23/82       | 0083868          | 04/30/86      | COLLAGEN IMPLANT MATERIAL FOR<br>AUGMENTING SOFT TISSUE            |
| 20050.22<br>82-040<br>US C3 | UNITED<br>STATES | 06/663,478       | 10/22/84       | 4,582,640        | 04/15/86      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL               |
| 20050.40<br>82-040<br>AT    | AUSTRIA          | 833011356        | 03/03/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL               |
| 20050.41<br>82-040<br>BE    | BELGIUM          | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL               |

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| 20050.42<br>82-040<br>CA    | CANADA           | 423044           | 03/07/83       | 1224210          | 07/14/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.43<br>82-040<br>CA    | CANADA           | 500548           | 01/28/86       | 1255589          | 06/13/89      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.44<br>82-040<br>EP    | EUROPE           | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.45<br>82-040<br>FR    | FRANCE           | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.46<br>82-040<br>GB    | GREAT<br>BRITAIN | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.47<br>82-040<br>DE    | GERMANY          | 833011356        | 09/21/83       | P3372099.1       | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.48<br>82-040<br>IT    | ITALY            | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.50<br>82-040<br>LU    | LUXEM-<br>BOURG  | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.51<br>82-040<br>NL    | NETHER-<br>LANDS | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.52<br>82-040<br>SE    | SWEDEN           | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20050.53<br>82-040<br>CH    | SWITZER-<br>LAND | 833011356        | 09/21/83       | 0089145          | 06/16/87      | INJECTABLE CROSS-LINKED COLLAGEN<br>IMPLANT MATERIAL |
| 20078.40<br>82-045<br>CA    | CANADA           | 440,036          | 10/31/83       | 1201347          | 03/04/86      | SYRINGE FORCE AMPLIFICATION DEVICE                   |
| 20082.20<br>83-052<br>US C3 | UNITED<br>STATES | 06/752,447       | 07/05/85       | 4,789,663        | 12/06/88      | METHODS OF BONE REPAIR USING<br>COLLAGEN             |
| 20082.41<br>83-052<br>CA    | CANADA           | 485,578          | 06/27/85       | 1259914          | 09/26/89      | METHODS OF BONE REPAIR USING<br>COLLAGEN             |
| 20082.42<br>83-052<br>EP    | EUROPE           | 85304757.9       | 07/03/85       | 0171176          | 10/02/91      | BONE REPAIR USING COLLAGEN                           |
| 20082.43<br>83-052<br>JP    | JAPAN            | 60149101         | 07/06/85       | 1665195          | 04/11/91      | METHOD OF BONE REPAIR USING<br>COLLAGEN              |

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| 20082.48<br>83-052<br>FR    | FRANCE           | 85304757.9       | 07/03/85       | 0171176          | 10/02/91      | BONE REPAIR USING COLLAGEN                                   |
| 20082.49<br>83-052<br>DE    | GERMANY          | 85304757.9       | 07/03/85       | P3584274.1       | 10/02/91      | BONE REPAIR USING COLLAGEN                                   |
| 20082.50<br>83-052<br>GB    | GREAT<br>BRITAIN | 85304757.9       | 07/03/85       | 0171176          | 10/02/91      | BONE REPAIR USING COLLAGEN                                   |
| 20082.51<br>83-052<br>IT    | ITALY            | 85304757.9       | 07/03/85       | 0171176          | 10/02/91      | BONE REPAIR USING COLLAGEN                                   |
| 20082.56<br>83-052<br>EP DI | EUROPE           | 91200300.1       | 07/03/85       | 0429438          | 08/28/96      | METHODS OF BONE REPAIR USING<br>COLLAGEN                     |
| 20082.57<br>83-052<br>FR DI | FRANCE           | 91200300.1       | 07/03/85       | 0429438          | 08/28/96      | METHODS OF BONE REPAIR USING<br>COLLAGEN                     |
| 20082.58<br>83-052<br>GB DI | GREAT<br>BRITAIN | 91200300.1       | 07/03/85       | 0429438          | 08/28/96      | METHODS OF BONE REPAIR USING<br>COLLAGEN                     |
| 20082.59<br>83-052<br>DE DI | GERMANY          | 91200300.1       | 07/03/85       | P35881208        | 08/28/96      | METHODS OF BONE REPAIR USING<br>COLLAGEN                     |
| 20082.60<br>83-052<br>IT DI | ITALY            | 91200300.1       | 07/03/85       | 0429438          | 08/28/96      | METHODS OF BONE REPAIR USING<br>COLLAGEN                     |
| 20092.00<br>83-059          | UNITED<br>STATES | 06/715,098       | 03/22/85       | 4,642,117        | 02/10/87      | MECHANICALLY SHEARED COLLAGEN<br>IMPLANT MATERIAL AND METHOD |
| 20092.40<br>83-059<br>AU    | AUSTRALIA        | 55022/86         | 03/21/86       | 581588           | 05/31/89      | MECHANICALLY SHEARED COLLAGEN<br>IMPLANT MATERIAL AND METHOD |
| 20092.41<br>83-059<br>CA    | CANADA           | 504694           | 03/21/86       | 1254137          | 05/16/89      | MECHANICALLY SHEARED COLLAGEN<br>IMPLANT MATERIAL AND METHOD |
| 20092.42<br>83-059<br>EP    | EUROPE           | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT      |
| 20092.43<br>83-059<br>JP    | JAPAN            | 6163861          | 03/20/86       | 1885643          | 11/22/94      | MECHANICALLY SHEARED COLLAGEN<br>IMPLANT MATERIAL AND METHOD |
| 20092.44<br>83-059<br>AT    | AUSTRIA          | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT      |
| 20092.45<br>83-059<br>BE    | BELGIUM          | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT      |
| 20092.46<br>83-059<br>FR    | FRANCE           | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT      |



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| 20092.47<br>83-059<br>GB       | GREAT<br>BRITAIN | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20092.48<br>83-059<br>DE       | GERMANY          | 86302055.8       | 03/20/86       | P3680366.9       | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20092.49<br>83-059<br>IT       | ITALY            | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20092.50<br>83-059<br>LU       | LUXEM-<br>BOURG  | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20092.51<br>83-059<br>NL       | NETHER-<br>LANDS | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20092.52<br>83-059<br>SE       | SWEDEN           | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20092.53<br>83-059<br>CH       | SWITZER-<br>LAND | 86302055.8       | 03/20/86       | 0196197          | 07/24/91      | COLLAGEN IMPLANT MATERIAL AND<br>METHOD OF PREPARING IT                                   |
| 20105.01<br>83-065<br>US C1    | UNITED<br>STATES | 07/629,074       | 12/17/90       | 5,246,457        | 09/21/93      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |
| 20105.10<br>83-065<br>US D1    | UNITED<br>STATES | 07/245,449       | 09/16/88       | 4,992,226        | 02/12/91      | METHOD OF MAKING MOLDS WITH<br>XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR |
| 20105.11<br>83-065 D2<br>US D2 | UNITED<br>STATES | 08/099,610       | 07/30/93       | 5,425,770        | 06/20/95      | PROCESS TO PREPARE COMPOSITIONS<br>FOR USE IN BONE REPAIR                                 |
| 20105.20<br>83-065<br>US C2    | UNITED<br>STATES | 06/848,443       | 04/04/86       | 4,795,467        | 01/03/89      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |
| 20105.40<br>83-065<br>AU       | AUSTRALIA        | 5555386          | 03/27/86       | 582225           | 03/27/86      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS   |
| 20105.41<br>83-065<br>CA       | CANADA           | 504,692          | 03/21/86       | 1260391          | 09/26/89      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |
| 20105.42<br>83-065<br>EP       | EUROPE           | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |
| 20105.43<br>83-065<br>JP       | JAPAN            | 61-72407         | 03/28/86       | 1752927          | 04/23/93      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |
| 20105.44<br>83-065<br>AT       | AUSTRIA          | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |
| 20105.45<br>83-065<br>BE       | BELGIUM          | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR                                |

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| 20105.46<br>83-065<br>FR   | FRANCE           | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.47<br>83-065<br>DE   | GERMANY          | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.48<br>83-065<br>GB   | GREAT<br>BRITAIN | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.49<br>83-065<br>IT   | ITALY            | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.50<br>83-065<br>LU   | LUXEM-<br>BOURG  | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.51<br>83-065<br>NL   | NETHER-<br>LANDS | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.52<br>83-065<br>SE   | SWEDEN           | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20105.53<br>83-065<br>CH   | SWITZER-<br>LAND | 86302147.3       | 03/24/86       | 0197693          | 10/23/91      | XENOGENEIC COLLAGEN/MINERAL<br>PREPARATIONS IN BONE REPAIR      |
| 20121.45<br>83-060<br>CA   | CANADA           | 578329           | 09/23/88       | 1335177          | 04/11/95      | INDUCTIVE COLLAGEN-BASED BONE<br>REPAIR PREPARATION             |
| 20128.41<br>84-070<br>CA   | CANADA           | 485572           | 06/27/85       | 1260650          | 09/26/89      | PROCESS FOR PREPARING MALLEABLE<br>COLLAGEN AND PRODUCT THEREOF |
| 20133.00<br>84-070-B<br>US | UNITED<br>STATES | 06/685,350       | 12/24/84       | 4,600,533        | 07/15/86      | COLLAGEN MEMBRANES FOR MEDICAL<br>USE                           |
| 20133.10<br>84-070-B<br>US | UNITED<br>STATES | 06/840,312       | 03/13/86       | 4,689,399        | 08/25/87      | COLLAGEN MEMBRANES FOR MEDICAL<br>USE                           |
| 20133.11<br>84-070-B<br>US | UNITED<br>STATES | 06/839,793       | 03/13/86       | 4,655,980        | 04/07/87      | PROCESS OF MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE         |
| 20133.20<br>84-070-B<br>US | UNITED<br>STATES | 06/825,812       | 02/04/86       | 4,725,671        | 02/16/88      | COLLAGEN MEMBRANES FOR MEDICAL<br>USE                           |
| 20133.40<br>84-070-B<br>AU | AUSTRALIA        | 5160285          | 12/23/85       | 588560           | 01/29/90      | COLLAGEN MEMBRANES FOR MEDICAL<br>USE                           |
| 20133.41<br>84-70-B<br>CA  | CANADA           | 496824           | 12/04/85       | 1234801          | 04/05/88      | COLLAGEN MEMBRANES FOR MEDICAL<br>USE                           |

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| 20133.42<br>84-070-B<br>EP | EUROPE           | 85309194.0       | 12/17/85       | 0187014          | 05/29/91      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.43<br>84-070-B<br>JP | JAPAN            | 60299622         | 12/24/85       | 1737073          | 02/26/93      | COLLAGEN MEMBRANES FOR MEDICAL<br>USE                                    |
| 20133.44<br>84-070-B<br>EP | EUROPE           | 902000454        | 12/17/85       | 0376931          | 06/15/94      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANOUS MATERIALS FOR MEDICAL<br>USE   |
| 20133.47<br>84-070-B<br>FR | FRANCE           | 85309194.0       | 12/17/85       | 0187014          | 05/29/91      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.48<br>84-070-B<br>DE | GERMANY          | 85309194.0       | 12/17/85       | P35830123        | 05/29/91      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.49<br>84-070-B<br>GB | GREAT<br>BRITAIN | 85309194.0       | 12/17/85       | 0187014          | 05/29/91      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.50<br>84-070-B<br>IT | ITALY            | 85309194.0       | 12/17/85       | 0187014          | 05/29/91      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.59<br>84-070-B<br>DE | GERMANY          | 90200045.4       | 12/17/85       | P3587857.6       | 06/15/94      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.60<br>84-070-B<br>FR | FRANCE           | 90200045.4       | 12/17/85       | 0376931          | 06/15/94      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.61<br>84-070-B<br>GB | GREAT<br>BRITAIN | 90200045.4       | 12/17/85       | 0376931          | 06/15/94      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20133.62<br>84-070-B<br>IT | ITALY            | 90200045.4       | 12/17/85       | 0376931          | 06/15/94      | PROCESS FOR MAKING COLLAGEN<br>MEMBRANES FOR MEDICAL USE                 |
| 20156.00<br>84-069<br>US   | UNITED<br>STATES | 06/829,809       | 02/14/86       | 4,774,227        | 09/27/88      | COLLAGEN COMPOSITIONS FOR BONE<br>REPAIR CONTAINING AUTOGENEIC<br>MARROW |
| 20156.40<br>84-069<br>AU   | AUSTRALIA        | 68801/87         | 02/13/87       | 614700           | 01/08/92      | COLLAGEN COMPOSITIONS FOR BONE<br>REPAIR CONTAINING AUTOGENEIC<br>MARROW |
| 20156.41<br>84-069<br>CA   | CANADA           | 529,551          | 02/12/87       | 1,279,010        | 01/15/91      | COLLAGEN COMPOSITIONS FOR BONE<br>REPAIR CONTAINING AUTOGENEIC<br>MARROW |
| 20156.42<br>84-069<br>EP   | EUROPE           | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE<br>REPAIR CONTAINING AUTOGENEIC<br>MARROW |
| 20156.43<br>84-069<br>JP   | JAPAN            | 6232280          | 02/13/87       | 1748399          | 04/08/93      | COLLAGEN COMPOSITIONS FOR BONE<br>REPAIR CONTAINING AUTOGENEIC<br>MARROW |
| 20156.45<br>84-069<br>AT   | AUSTRIA          | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE<br>REPAIR CONTAINING AUTOGENEIC<br>MARROW |

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| 20156.46<br>84-069<br>BE | BELGIUM          | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.47<br>84-069<br>DE | GERMANY          | 87301315.5       | 02/16/87       | P3762569.1       | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.48<br>84-069<br>FR | FRANCE           | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.49<br>84-069<br>GB | GREAT<br>BRITAIN | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.50<br>84-069<br>GR | GREECE           | 87301315.5       | 02/16/87       | 3000691          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.51<br>84-069<br>IT | ITALY            | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.52<br>84-069<br>LU | LUXEM-<br>BOURG  | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.53<br>84-069<br>NL | NETHER-<br>LANDS | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.54<br>84-069<br>ES | SPAIN            | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.55<br>84-069<br>SE | SWEDEN           | 87301315.5       | 02/16/87       | 0233770          | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20156.56<br>84-069<br>CH | SWITZER-<br>LAND | 87301315.5       | 02/16/87       | P 233770.8       | 05/09/90      | COLLAGEN COMPOSITIONS FOR BONE REPAIR CONTAINING AUTOGENEIC MARROW |
| 20181.00<br>85-109<br>US | UNITED<br>STATES | 07/133,532       | 12/16/87       | 4,863,732        | 09/05/89      | INJECTABLE COMPOSITION FOR INDUCTIVE BONE REPAIR                   |
| 20181.40<br>85-109<br>AU | AUSTRALIA        | 27083/88         | 12/15/88       | 614908           | 03/25/92      | INJECTABLE COMPOSITION FOR INDUCTIVE BONE REPAIR                   |
| 20181.41<br>85-109<br>CA | CANADA           | 585756           | 12/13/88       | 1327312          | 03/01/94      | INJECTABLE COMPOSITION FOR INDUCTIVE BONE REPAIR                   |
| 20181.42<br>85-109<br>EP | EUROPE           | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | AN INJECTABLE COMPOSITION FOR INDUCTIVE BONE REPAIR                |
| 20181.44<br>85-109<br>AT | AUSTRIA          | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR INDUCTIVE BONE REPAIR                   |

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| 20181.45<br>85-109<br>BE    | BELGIUM          | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.46<br>85-109<br>FR    | FRANCE           | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.47<br>85-109<br>DE    | GERMANY          | 88311935.6       | 12/16/88       | P3869577.4       | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.48<br>85-109<br>GB    | GREAT<br>BRITAIN | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.49<br>85-109<br>GR    | GREECE           | 88311935.6       | 12/16/88       | 3004819          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.50<br>85-109<br>IT    | ITALY            | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.51<br>85-109<br>LU    | LUXEM-<br>BOURG  | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.52<br>85-109<br>NL    | NETHER-<br>LANDS | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.53<br>85-109<br>ES    | SPAIN            | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.54<br>85-109<br>SE    | SWEDEN           | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20181.55<br>85-109<br>CH    | SWITZER-<br>LAND | 88311935.6       | 12/16/88       | 0321277          | 03/25/92      | INJECTABLE COMPOSITION FOR<br>INDUCTIVE BONE REPAIR                       |
| 20182.00<br>84-087<br>US    | UNITED<br>STATES | 06/788,928       | 10/18/85       | 4,671,794        | 06/09/87      | LARYNGEAL INJECTOR  |
| 20183.00<br>88-167<br>US    | UNITED<br>STATES | 07/213,726       | 06/30/88       | 5,024,841        | 06/18/91      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION       |
| 20183.10<br>88-167<br>US D1 | UNITED<br>STATES | 07/630,299       | 12/19/90       | 5,110,604        | 05/05/92      | PROCESSES FOR PRODUCING COLLAGEN<br>MATRIXES AND METHODS OF USING<br>SAME |
| 20183.11<br>88-167<br>US D2 | UNITED<br>STATES | 07/801,732       | 12/03/91       | 5,219,576        | 06/15/93      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION       |
| 20183.20<br>88-167<br>US    | UNITED<br>STATES | 07/286,303       | 12/16/88       | 4,950,483        | 08/21/90      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION       |
| 20183.40<br>88-167<br>CA    | CANADA           | 604382           | 06/29/89       | 1339007          | 03/25/97      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION       |

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|--------------------------|------------------|------------------|----------------|------------------|---------------|---|
| 20183.42<br>88-167<br>AU | AUSTRALIA        | 39646/89         | 06/28/89       | 623163           | 08/31/92      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.43<br>88-167<br>EP | EUROPE           | 899081194        | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.44<br>88-167<br>JP | JAPAN            | 1507652          | 06/28/89       |                  | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.45<br>88-167<br>AT | AUSTRIA          | 899081194        | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.46<br>88-167<br>BE | BELGIUM          | 89908119.4       | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.47<br>88-167<br>CH | SWITZER-<br>LAND | 89908119.4       | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.48<br>88-167<br>DE | GERMANY          | 89908119.4       | 06/28/89       | P689240694       | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.49<br>88-167<br>FR | FRANCE           | 89908119.4       | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.50<br>88-167<br>GB | GREAT<br>BRITAIN | 89908119.4       | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.51<br>88-167<br>IT | ITALY            | 89908119.4       | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.52<br>88-167<br>LU | LUXEM-<br>BOURG  | 89908119.4       | 06/28/89       | 428541           | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.53<br>88-167<br>NL | NETHER-<br>LANDS | 89908119.4       | 06/28/89       | 428541           | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20183.54<br>88-167<br>SE | SWEDEN           | 89908119.4       | 06/28/89       | 0428541          | 08/30/95      | COLLAGEN WOUND HEALING MATRICES<br>AND PROCESS FOR THEIR PRODUCTION |
| 20185.00<br>85-118<br>US | UNITED<br>STATES | 06/878,418       | 06/25/86       | 4,803,075        | 02/07/89      | INJECTABLE IMPLANT COMPOSITION<br>HAVING IMPROVED INTRUDABILITY     |
| 20185.43<br>85-118<br>JP | JAPAN            | 62137608         | 05/29/87       | 1899011          | 01/23/95      | INJECTABLE IMPLANT COMPOSITION<br>HAVING IMPROVED INTRUDABILITY     |
| 20188.00<br>85-112       | UNITED<br>STATES | 06/912,985       | 09/29/86       | 4,743,229        | 05/10/88      | COLLAGEN/MINERAL/MIXING DEVICE<br>AND METHOD                        |
| 20189.40<br>85-123<br>AU | AUSTRALIA        | 71856/87         | 04/22/87       | 593094           | 05/31/90      | MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR            |

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| Atty. Ref<br>Client Ref. | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title  |
|--------------------------|------------------|------------------|----------------|------------------|---------------|--|
| 20189.41<br>85-123<br>CA | CANADA           | 535170           | 04/21/87       | 1,294,876        | 01/28/92      | MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR   |
| 20189.42<br>85-123<br>EP | EUROPE           | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.43<br>85-123<br>JP | JAPAN            | 62099615         | 04/22/87       | 1871134          | 09/06/94      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.44<br>85-123<br>AT | AUSTRIA          | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.45<br>85-123<br>BE | BELGIUM          | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.46<br>85-123<br>FR | FRANCE           | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.47<br>85-123<br>DE | GERMANY          | 87303548.9       | 04/22/87       | P3770862.7       | 06/20/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.48<br>85-123<br>GB | GREAT<br>BRITAIN | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.49<br>85-123<br>GR | GREECE           | 87303548.9       | 04/22/87       | 910400841        | 06/20/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.50<br>85-123<br>IT | ITALY            | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.51<br>85-123<br>LU | LUXEM-<br>BOURG  | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.52<br>85-123<br>NL | NETHER-<br>LANDS | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.53<br>85-123<br>SE | SWEDEN           | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.54<br>85-123<br>CH | SWITZER-<br>LAND | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20189.55<br>85-123<br>ES | SPAIN            | 87303548.9       | 04/22/87       | 0243178          | 06/19/91      | A MARROW/COLLAGEN/MINERAL MATRIX<br>FOR BONE DEFECT REPAIR |
| 20192.00<br>85-116<br>US | UNITED<br>STATES | 06/928,306       | 11/06/86       | 4,865,602        | 09/12/89      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES          |

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|-----------------------------|------------------|------------------|----------------|------------------|---------------|---|
| 20192.10<br>85-116<br>US DI | UNITED<br>STATES | 07/647,758       | 01/29/91       | 5,123,925        | 06/23/92      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.20<br>85-116<br>US CI | UNITED<br>STATES | 07/356,453       | 05/24/89       | 5,035,715        | 07/30/91      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.40<br>85-116<br>AU    | AUSTRALIA        | 8068087          | 11/04/87       | 603744           | 03/19/91      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.41<br>85-116<br>CA    | CANADA           | 550940           | 11/03/87       | 1310918          | 12/01/92      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.42<br>85-116<br>JP    | JAPAN            | 62-281930        | 11/06/87       | 1882498          | 11/10/94      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.43<br>85-116<br>EP    | EUROPE           | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.44<br>85-116<br>JP DI | JAPAN            | 03343582         | 11/06/87       | 1901006          | 01/27/95      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.45<br>85-116<br>CA DI | CANADA           | 616394           | 06/02/92       | 1320451          | 07/20/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.46<br>85-116<br>AT    | AUSTRIA          | 87309810.7       | 11/05/87       | 0270254          | 08/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.47<br>85-116<br>BE    | BELGIUM          | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.48<br>85-116<br>FR    | FRANCE           | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.49<br>85-116<br>DE    | GERMANY          | 87309810.7       | 11/05/87       | P37846469        | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.50<br>85-116<br>GR    | GREECE           | 87309810.7       | 11/05/87       | 3007382          | 03/16/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.51<br>85-116<br>IT    | ITALY            | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.52<br>85-116<br>LU    | LUXEM-<br>BOURG  | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |
| 20192.53<br>85-116<br>NL    | NETHER-<br>LANDS | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES |



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| 20192.54<br>85-116<br>ES    | SPAIN            | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES                      |
| 20192.55<br>85-116<br>SE    | SWEDEN           | 87309810.7       | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES                      |
| 20192.56<br>85-116<br>CH    | SWITZER-<br>LAND | 873098107        | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES                      |
| 20192.57<br>85-116<br>GB    | GREAT<br>BRITAIN | 873098107        | 11/05/87       | 0270254          | 03/10/93      | GAMMA IRRADIATION OF<br>COLLAGEN/MINERAL MIXTURES                      |
| 20198.00<br>85-095<br>US    | UNITED<br>STATES | 07/035,277       | 04/03/87       | 4,776,890        | 10/11/88      | PREPARATION OF A COLLAGEN<br>HYDROXYLAPATITE MATRIX FOR BONE<br>REPAIR |
| 20237.10<br>88-176<br>US D1 | UNITED<br>STATES | 07/930,142       | 08/14/92       | 5,264,214        | 11/23/93      | COMPOSITION FOR BONE REPAIR  |
| 20237.11<br>88-176<br>US D2 | UNITED<br>STATES | 07/998,802       | 12/30/92       | 5,304,595        | 04/19/94      | COLLAGEN-POLYMER CONJUGATES  |
| 20237.12<br>88-176<br>US D3 | UNITED<br>STATES | 08/110,577       | 08/23/93       | 5,306,500        | 04/26/94      | METHOD OF AUGMENTING TISSUE WITH<br>COLLAGEN-POLYMER CONJUGATES        |
| 20237.13<br>88-176<br>US D4 | UNITED<br>STATES | 08/177,578       | 01/05/94       | 5,376,375        | 12/27/94      | METHOD OF AUGMENTING TISSUE USING<br>COLLAGEN-POLYMER CONJUGATES       |
| 20237.14<br>88-176<br>US D5 | UNITED<br>STATES | 08/198,128       | 02/17/94       | 5,413,791        | 05/09/95      | COLLAGEN-POLYMER CONJUGATES  |
| 20237.15<br>88-176<br>US D6 | UNITED<br>STATES | 08/292,415       | 08/18/94       | 5,523,348        | 06/04/96      | METHOD OF PREPARING COLLAGEN-<br>POLYMER CONJUGATES                    |
| 20237.16<br>88-176<br>US D7 | UNITED<br>STATES | 08/368,874       | 01/05/95       | 5,446,091        | 08/29/95      | COLLAGEN-POLYMER CONJUGATES<br>CONTAINING AN ETHER LINKAGE             |
| 20237.17<br>88-176<br>US D8 | UNITED<br>STATES | 08/427,576       | 04/24/95       | 5,543,441        | 08/06/96      | COLLAGEN-POLYMER CONJUGATES  |
| 20237.19<br>88-176<br>US    | UNITED<br>STATES | 08/478,510       | 06/07/95       | 4,550,188        | 08/27/96      | OPHTHALMIC DEVICES COMPRISING<br>COLLAGEN-POLYMER CONJUGATES           |
| 25237.10<br>93-005<br>US D1 | UNITED<br>STATES | 08/434,958       | 05/04/95       | 5,510,121        | 04/23/96      | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES                      |
| 25237.11<br>93-005<br>US D2 | UNITED<br>STATES | 08/433,656       | 05/04/95       | 5,470,911        | 11/28/95      | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES                      |
| 25237.12<br>93-005<br>US D3 | UNITED<br>STATES | 08/434,725       | 05/04/95       | 5,476,666        | 12/19/95      | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES                      |

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|-----------------------------|------------------|------------------|----------------|------------------|---------------|---|
| 20237.20<br>88-176<br>US C1 | UNITED<br>STATES | 07/433,441       | 11/14/89       | 5,162,430        | 11/10/92      | COLLAGEN-POLYMER CONJUGATES   |
| 20237.21<br>88-176<br>US C2 | UNITED<br>STATES | 07/922,541       | 07/30/92       | 5,328,955        | 07/12/94      | COLLAGEN-POLYMER CONJUGATES   |
| 20237.22<br>88-176<br>US C3 | UNITED<br>STATES | 07/907,518       | 07/02/92       | 5,324,775        | 06/28/94      | BIOLOGICALLY INERT, BIOCOMPATIBLE-<br>POLYMER CONJUGATES  |
| 20237.24<br>88-176<br>US C5 | UNITED<br>STATES | 07/984,197       | 12/02/92       | 5,308,889        | 05/03/94      | DEHYDRATED COLLAGEN-POLYMER<br>STRINGS  |
| 20237.25<br>88-176<br>US C6 | UNITED<br>STATES | 07/985,680       | 12/02/92       | 5,292,802        | 03/08/94      | COLLAGEN-POLYMER TUBES FOR USE IN<br>VASCULAR SURGERY   |
| 20237.27<br>93-005<br>US    | UNITED<br>STATES | 08/146,843       | 11/03/93       | 5,510,418        | 04/23/96      | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES   |
| 20237.28<br>88-176<br>CIP9  | UNITED<br>STATES | 08/147,227       | 11/03/93       | 5,565,519        | 10/15/96      | CLEAR, CHEMICALLY MODIFIED<br>COLLAGEN-SYNTHETIC POLYMER<br>CONJUGATES FOR OPHTHALMIC<br>APPLICATIONS |
| 20237.40<br>88-176<br>CA    | CANADA           | 2,003,538        | 11/21/89       |                  |               | COLLAGEN-POLYMER CONJUGATES   |
| 20237.42<br>88-176<br>AU    | AUSTRALIA        | 46609/89         | 11/21/89       | 638687           | 11/01/93      | COLLAGEN-POLYMER CONJUGATES   |
| 20237.43<br>88-176<br>EP    | EUROPE           | 90901254.4       | 11/21/89       |                  |               | COLLAGEN-POLYMER CONJUGATES   |
| 20237.44<br>88-176<br>JP    | JAPAN            | 2501327          | 11/21/89       | 2505312          | 04/02/96      | COLLAGEN-POLYMER CONJUGATES   |
| 20237.46<br>88-176<br>AU2   | AUSTRALIA        | 46620/93         | 07/01/93       | 677,789          | 08/29/97      | BIOCOMPATIBLE POLYMER CONJUGATES  |
| 20237.48<br>88-176<br>JP 2  | JAPAN            | 6-503427         | 07/01/93       |                  |               | BIOCOMPATIBLE POLYMER CONJUGATES  |
| 20237.49<br>88-176<br>CA    | CANADA           | 2,134,744        | 10/31/94       |                  |               | CLEAR, CHEMICALLY MODIFIED<br>COLLAGEN-SYNTHETIC POLYMER<br>CONJUGATES FOR OPHTHALMIC<br>APPLICATIONS |
| 20237.50<br>93-006<br>EP    | EUROPE           | 94117226.4       | 11/01/94       |                  |               | CLEAR, CHEMICALLY MODIFIED<br>COLLAGEN-SYNTHETIC POLYMER<br>CONJUGATES FOR OPHTHALMIC<br>APPLICATIONS |

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| Atty. Ref<br>Client Ref.    | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title  |
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| 20237.51<br>93-006<br>JP    | JAPAN            | 6-271556         | 11/04/94       |                  |               | CLEAR, CHEMICALLY MODIFIED<br>COLLAGEN-SYNTHETIC POLYMER<br>CONJUGATES FOR OPHTHAMLMIC<br>APPLICATIONS |
| 20237.52<br>93-005<br>CA    | CANADA           | 2,134,745        | 10/31/94       |                  |               | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES  |
| 20237.53<br>93-005<br>EP    | EUROPE           | 94117227.2       | 11/01/94       |                  |               | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES  |
| 20237.54<br>93-005<br>JP    | JAPAN            | 6-271556         | 11/04/94       |                  |               | GLYCOSAMINOGLYCAN-SYNTHETIC<br>POLYMER CONJUGATES  |
| 20238.10<br>88-184<br>DIV   | UNITED<br>STATES | 07/527,765       | 05/23/90       | 5,258,029        | 11/02/93      | METHOD FOR IMPROVING IMPLANT<br>FIXATION   |
| 20238.11<br>88-184<br>DIV   | UNITED<br>STATES | 07/819,059       | 01/10/92       | 5,207,710        | 05/04/93      | METHOD FOR IMPROVING IMPLANT<br>FIXATION   |
| 20238.20<br>88-184<br>CIP   | UNITED<br>STATES | 07/275,215       | 11/23/88       | 5,108,436        | 04/28/92      | IMPLANT FIXATION   |
| 20238.40<br>88-184<br>AU    | AUSTRALIA        | 42338/89         | 09/27/89       | 628083           | 01/21/93      | METHOD FOR IMPROVING IMPLANT<br>FIXATION   |
| 20238.41<br>88-184<br>CN    | CANADA           | 612,422          | 09/21/89       | 1335958          | 06/20/95      | METHOD FOR IMPROVING IMPLANT<br>FIXATION   |
| 20238.43<br>88-184<br>JP    | JAPAN            | 1-256922         | 09/29/89       |                  |               | METHOD FOR IMPROVING IMPLANT<br>FIXATION   |
| 20238.44<br>88-184<br>JP DI | JAPAN            | 07329312         | 09/29/89       |                  |               | METHOD FOR IMPROVING IMPLANT<br>FIXATION   |
| 20240.00<br>89-193          | UNITED<br>STATES | 07/327,488       | 03/23/89       | 4,959,205        | 09/25/90      | COMPOSITION AND METHOD FOR<br>TREATMENT OF DERMAL INFLAMMATION   |
| 20258.01<br>91-250<br>CON   | UNITED<br>STATES | 08/016,490       | 02/10/93       | 5,366,498        | 11/22/94      | DEVICE FOR TREATING FINE SUPERFICIAL<br>FACIAL LINES   |
| 20258.10<br>91-250<br>DIV   | UNITED<br>STATES | 07/927,146       | 11/02/92       | 5,383,930        | 01/24/95      | METHOD FOR TREATING FINE<br>SUPERFICIAL FACIAL LINES   |
| 20258.41<br>91-250<br>AU    | AUSTRALIA        | 17648/92         | 03/27/92       | 654857           | 03/14/95      | DEVICE AND METHOD FOR TREATING<br>FACIAL LINES   |
| 20258.42<br>91-250<br>CA    | CANADA           | 2083165          | 03/27/92       | 2083165          | 07/09/96      | DEVICE AND METHOD FOR TREATING<br>FACIAL LINES   |
| 20258.43<br>91-250<br>EP    | EUROPE           | 92910624.3       | 03/27/92       |                  |               | DEVICE AND METHOD FOR TREATING<br>FACIAL LINES   |

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| Atty. Ref<br>Client Ref. | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title   |
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| 20258.44<br>91-250<br>JP | JAPAN            | 04509698         | 03/27/92       |                  |               | DEVICE AND METHOD FOR TREATING<br>FACIAL LINES  |
| 20260.00<br>256-91       | UNITED<br>STATES | 07/921,810       | 07/29/92       | 5,428,022        | 06/27/95      | COMPOSITION OF LOW TYPE III CONTENT<br>HUMAN PLACENTAL COLLAGEN                       |
| 20270.01<br>94-008 F1    | UNITED<br>STATES | 08/537,073       | 09/29/95       |                  |               | COLLAGEN-BASED INJECTABLE DRUG<br>DELIVERY SYSTEM AND ITS USE                         |
| 20270.40<br>94-008<br>AU | AUSTRALIA        | 10295/95         | 01/19/95       |                  |               | COLLAGEN-BASED INJECTABLE DRUG<br>DELIVERY SYSTEM AND ITS USE                         |
| 20270.41<br>94-008<br>CA | CANADA           | 2,140,053        | 01/11/95       |                  |               | COLLAGEN-BASED INJECTABLE DRUG<br>DELIVERY SYSTEM AND ITS USE                         |
| 20270.42<br>94-008<br>EP | EUROPE           | 95101589.0       | 02/06/95       |                  |               | COLLAGEN-BASED INJECTABLE DRUG<br>DELIVERY SYSTEM AND ITS USE                         |
| 20270.43<br>94-008<br>JP | JAPAN            | 7-20798          | 02/08/95       |                  |               | COLLAGEN-BASED INJECTABLE DRUG<br>DELIVERY SYSTEM AND ITS USE                         |
| 20270.44<br>94-008<br>MX | MEXICO           | 950734           | 01/31/95       |                  |               | COLLAGEN-BASED INJECTABLE DRUG<br>DELIVERY SYSTEM AND ITS USE                         |
| 20274.00<br>94-010<br>US | UNITED<br>STATES | 08/403,360       | 03/14/95       | 5,580,923        | 12/03/96      | ANTI-ADHESION FILMS AND<br>COMPOSITIONS FOR MEDICAL USE                               |
| 20274.40<br>94-010<br>CA | CANADA           | 2,165,740        | 12/20/95       |                  |               | ANTI-ADHESION FILMS AND<br>COMPOSITIONS FOR MEDICAL USE                               |
| 20274.41<br>94-010<br>EP | EUROPE           | 96102339.7       | 02/16/96       |                  |               | ANTI-ADHESION FILMS AND<br>COMPOSITIONS FOR MEDICAL USE                               |
| 20274.42<br>94-010<br>JP | JAPAN            | 8-58139          | 03/14/96       |                  |               | ANTI-ADHESION FILMS AND<br>COMPOSITIONS FOR MEDICAL USE                               |
| 20275.00<br>95-025<br>US | UNITED<br>STATES | 08/405,320       | 03/16/95       | 5,693,341        | 12/02/97      | AFFINITY BOUND COLLAGEN MATRICES<br>FOR THE DELIVERY OF BIOLOGICALLY<br>ACTIVE AGENTS |
| 20275.40<br>95-025<br>CA | CANADA           | 2,165,727        | 12/20/95       |                  |               | AFFINITY BOUND COLLAGEN MATRICES<br>FOR THE DELIVERY OF BIOLOGICALLY<br>ACTIVE AGENTS |
| 20275.41<br>95-025<br>EP | EUROPE           | 96102340.5       | 02/16/96       | 0732105          |               | AFFINITY BOUND COLLAGEN MATRICES<br>FOR THE DELIVERY OF BIOLOGICALLY<br>ACTIVE AGENTS |
| 20275.42<br>95-025<br>JP | JAPAN            | 8-61531          | 03/18/96       |                  |               | AFFINITY BOUND COLLAGEN MATRICES<br>FOR THE DELIVERY OF BIOLOGICALLY<br>ACTIVE AGENTS |
| 20277.01<br>94-011       | UNITED<br>STATES | 08/555,270       | 11/08/95       |                  |               | APPARATUS AND METHOD OF MIXING<br>MATERIALS IN A STERILE ENVIRONMENT                  |

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| Atty. Ref<br>Client Ref.    | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title  |
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| 20277.40<br>94-011<br>CA    | CANADA           | 2146090          | 03/31/95       |                  |               | APPLICATION AND METHOD OF MIXING<br>MATERIALS IN A STERILE ENVIRONMENT   |
| 20277.41<br>94-011<br>EP    | EUROPE           | 95107000.2       | 05/09/95       |                  |               | APPARATUS AND METHOD OF MIXING<br>MATERIALS IN A STERILE ENVIRONMENT   |
| 20277.42<br>94-011<br>JP    | JAPAN            | 7-110991         | 05/09/95       |                  |               | APPARATUS AND METHOD OF MIXING<br>MATERIALS IN A STERILE ENVIRONMENT   |
| 20277.43<br>94-011<br>MX    | MEXICO           | 952006           | 04/28/95       |                  |               | APPARATUS AND METHOD OF MIXING<br>MATERIALS IN A STERILE ENVIRONMENT   |
| 20278.00<br>94-015          | UNITED<br>STATES | 08/274,673       | 07/13/94       | 5,616,689        | 04/01/97      | METHOD OF CONTROLLING STRUCTURE<br>STABILITY OF COLLAGEN FIBERS<br>PRODUCED FROM SOLUTIONS OR<br>DISPERSIONS TREATED WITH SODIUM<br>HYDROXIDE FOR INFECTIOUS AGENT<br>DEACTIVATION |
| 20278.40<br>94-015<br>CA    | CANADA           | 2146938          | 04/12/95       |                  |               | METHOD OF CONTROLLING STRUCTURE<br>STABILITY OF COLLAGEN FIBERS<br>PRODUCED FROM SOLUTIONS OR<br>DISPERSIONS TREATED WITH SODIUM   |
| 20278.41<br>94-015<br>EP    | EUROPE           | 95108306.2       | 05/30/95       |                  |               | METHOD OF CONTROLLING STRUCTURE<br>STABILITY OF COLLAGEN FIBERS<br>PRODUCED FROM SOLUTIONS OR<br>DISPERSIONS TREATED WITH SODIUM<br>HYDROXIDE FOR INFECTIOUS AGENT<br>DEACTIVATION |
| 20278.42<br>94-015<br>JP    | JAPAN            | 07176136         | 07/12/95       |                  |               | METHOD OF CONTROLLING STRUCTURE<br>STABILITY OF COLLAGEN FIBERS<br>PRODUCED FROM SOLUTIONS OR<br>DISPERSIONS TREATED WITH SODIUM<br>HYDROXIDE FOR INFECTIOUS AGENT<br>DEACTIVATION |
| 20282.01<br>94-020<br>US C1 | UNITED<br>STATES | 08/730,157       | 10/15/96       |                  |               | IN SITU CROSSLINKABLE, INJECTABLE<br>COLLAGEN COMPOSITION FOR TISSUE<br>AUGMENTATION   |
| 20282.40<br>94-020<br>EP    | EUROPE           | 95116579.4       | 10/20/95       | 0713707          |               | IN SITU CROSSLINKABLE, INJECTABLE<br>COLLAGEN COMPOSITION FOR TISSUE<br>AUGMENTATION   |
| 20283.00<br>94-012<br>US C1 | UNITED<br>STATES | 08/236,769       | 05/02/94       | 5,475,052        | 12/12/95      | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION  |
| 20283.01<br>94-012.1<br>US  | UNITED<br>STATES | 08/780,470       | 01/08/97       |                  |               | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION  |
| 20283.40<br>94-012<br>EP    | EUROPE           | 95103895.9       | 03/03/95       |                  |               | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION  |
| 20283.41<br>94-012<br>CA    | CANADA           | 2,143,923        | 03/03/95       |                  |               | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION  |

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| Atty. Ref<br>Client Ref.    | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title   |
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| 20283.42<br>94-012<br>AU    | AUSTRALIA        | 15075/95         | 03/24/95       |                  |               | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION                           |
| 20283.43<br>94-012<br>JP    | JAPAN            | 7104476          | 04/27/95       |                  |               | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION                           |
| 20283.44<br>94-012<br>MX    | MEXICO           | 951715           | 04/07/95       |                  |               | COLLAGEN-SYNTHETIC POLYMER<br>MATRICES PREPARED USING A MULTIPLE<br>STEP REACTION                           |
| 20285.00<br>94-021          | UNITED<br>STATES | 08/574,050       | 12/18/95       |                  |               | INJECTABLE OR IMPLANTABLE<br>BIOMATERIALS FOR FILLING OR<br>BLOCKING LUMENS AND VOIDS OF THE<br>BODY        |
| 20285.41<br>94-021<br>PCT   | AUSTRALIA        | 13473/97         | 12/18/96       |                  |               | USE OF INJECTABLE OR IMPLANTABLE<br>BIOMATERIALS FOR FILLING OR<br>BLOCKING LUMENS AND VOIDS OF THE<br>BODY |
| 20285.42<br>94-021<br>CA    | CANADA           | 2,239,772        | 12/18/96       |                  |               | USE OF INJECTABLE OR IMPLANTABLE<br>BIOMATERIALS FOR FILLING OR<br>BLOCKING LUMENS AND VOIDS OF THE<br>BODY |
| 20285.43<br>94-021<br>JP    | JAPAN            | 9-523049         | 12/18/96       |                  |               | USE OF INJECTABLE OR IMPLANTABLE<br>BIOMATERIALS FOR FILLING OR<br>BLOCKING LUMENS AND VOIDS OF THE<br>BODY |
| 20285.44<br>94-021<br>EP    | EUROPE           | 96945006.3       | 12/18/96       |                  |               | USE OF INJECTABLE OR IMPLANTABLE<br>BIOMATERIALS FOR FILLING OR<br>BLOCKING LUMENS AND VOIDS OF THE<br>BODY |
| 20286.00<br>95-024<br>US C1 | UNITED<br>STATES | 08/476,825       | 06/07/95       | 5,614,587        | 3/25/97       | COLLAGEN-BASED BIOADHESIVE<br>COMPOSITIONS  |
| 20286.10<br>95-024 D1       | UNITED<br>STATES | 08/853,496       | 05/08/97       |                  |               | BIOCOMPATIBLE ADHESIVE<br>COMPOSITIONS  |
| 20286.11<br>95-024 D2       | UNITED<br>STATES | 08/853,045       | 05/06/97       |                  |               | METHOD OF PREVENTING FORMATION OF<br>ADHESIONS FOLLOWING SURGERY  |
| 20286.20<br>95-024<br>US C2 | UNITED<br>STATES | 08/573,801       | 12/18/95       |                  |               | BIOCOMPATIBLE ADHESIVE<br>COMPOSITIONS  |
| 20286.40<br>95-024<br>CA    | CANADA           | 2,172,906        | 03/28/96       |                  |               | BIOCOMPATIBLE ADHESIVE<br>COMPOSITIONS  |
| 20286.41<br>95-024<br>EP    | EUROPE           | 96108503.2       | 05/29/96       |                  |               | BIOCOMPATIBLE ADHESIVE<br>COMPOSITIONS  |
| 20286.42<br>95-024 JP       | JAPAN            | 8139317          | 05/31/96       |                  |               | BIOCOMPATIBLE ADHESIVE<br>COMPOSITIONS  |
| 20287.20<br>95-029C1        | UNITED<br>STATES | 08/769,806       | 12/18/96       |                  |               | CROSSLINKED POLYMER COMPOSITIONS<br>AND METHODS FOR THEIR USE   |

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| Atty. Ref<br>Client Ref.    | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title   |
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| 20287.41<br>94-019<br>AU    | AUSTRALIA        |                  | 12/18/96       |                  |               | CROSSLINKED POLYMER COMPOSITIONS<br>AND METHODS FOR THEIR USE                                 |
| 20287.44<br>95-029<br>EP    | EUROPE           | 96944824.0       | 12/18/96       |                  |               | CROSSLINKED POLYMER COMPOSITIONS<br>AND METHODS FOR THEIR USE                                 |
| 20288.01<br>94-019<br>US C1 | UNITED<br>STATES | 08/987,467       | 12/09/97       |                  |               | USE OF HYDROPHOBIC CROSSLINKING<br>AGENTS TO PREPARE CROSSLINKED<br>BIOMATERIAL COMPOSITIONS  |
| 20288.40<br>94-019<br>CA    | CANADA           | 2,165,728        | 12/20/95       |                  |               | USE OF HYDROPHOBIC CROSSLINKING<br>AGENTS TO PREPARE CROSSLINKED<br>BIOMATERIAL COMPOSITIONS  |
| 20288.41<br>94-019<br>EP    | EUROPE           | 96102366.0       | 02/16/96       |                  |               | USE OF HYDROPHOBIC CROSSLINKING<br>AGENTS TO PREPARE CROSSLINKED<br>BIOMATERIAL COMPOSITIONS  |
| 20288.42<br>94-019<br>JP    | JAPAN            | 8-58138          | 03/14/96       |                  |               | USE OF HYDROPHOBIC CROSSLINKING<br>AGENTS TO PREPARE CROSSLINKED<br>BIOMATERIAL COMPOSITIONS  |
| 20289.00<br>95-022          | UNITED<br>STATES | 06/431,950       | 05/01/95       |                  |               | PRION INACTIVATION IN CONNECTIVE<br>TISSUE MATERIALS  |
| 20289.40<br>95-022<br>CA    | CANADA           | 2,172,918        | 03/28/96       |                  |               | PRION INACTIVATION IN CONNECTIVE<br>TISSUE MATERIALS  |
| 20289.41<br>95-022<br>EP    | EUROPE           | 96105478.0       | 04/04/96       |                  |               | PRION INACTIVATION IN CONNECTIVE<br>TISSUE MATERIALS  |
| 20289.42<br>95-022<br>JP    | JAPAN            | 8-109888         | 04/30/96       |                  |               | PRION INACTIVATION IN CONNECTIVE<br>TISSUE MATERIALS  |
| 20290.10<br>94-016<br>US D1 | UNITED<br>STATES | 08/440,274       | 05/12/95       | 5,527,856        | 06/18/96      | METHOD OF PREPARING CROSSLINKED<br>BIOMATERIAL COMPOSITIONS FOR USE IN<br>TISSUE AUGMENTATION |
| 20290.20<br>94-016<br>US C1 | UNITED<br>STATES | 08/287,549       | 08/08/94       | 5,550,187        | 08/27/96      | METHOD OF PREPARING CROSSLINKED<br>BIOMATERIAL COMPOSITIONS FOR USE IN<br>TISSUE AUGMENTATION |
| 20290.21<br>94-016<br>US C2 | UNITED<br>STATES | 08/497,573       | 06/30/95       | 5,643,464        | 07/01/97      | PROCESS FOR PREPARING A STERILE, DRY<br>CROSSLINKING AGENT                                    |
| 20290.40<br>94-016<br>EP    | EUROPE           | 95112218.3       | 08/03/95       |                  |               | METHOD OF PREPARING CROSSLINKED<br>BIOMATERIAL COMPOSITIONS FOR USE IN<br>TISSUE AUGMENTATION |
| C94-007-1                   | UNITED<br>STATES | 08/183,648       | 01/18/94       | 5,667,839        | 09/16/97      | PRODUCTION OF HUMAN RECOMBINANT<br>COLLAGEN IN THE MILK OF TRANSGENIC<br>ANIMALS              |
| C94-007-1/<br>EU            | EUROPE           | 94906698.9       | 01/19/94       |                  |               | PRODUCTION OF HUMAN RECOMBINANT<br>COLLAGEN IN THE MILK OF TRANSGENIC<br>ANIMALS              |
| C94-007-1/<br>CA            | CANADA           | 2,152,047        | 01/19/94       |                  |               | PRODUCTION OF HUMAN RECOMBINANT<br>COLLAGEN IN THE MILK OF TRANSGENIC<br>ANIMALS              |

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| Atty. Ref<br>Client Ref.            | Country       | Serial<br>Number   | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title  |
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| C94-007-1/<br>JP                    | JAPAN         | 6517194            | 01/19/94       |                  |               | PRODUCTION OF HUMAN RECOMBINANT COLLAGEN IN THE MILK OF TRANSGENIC ANIMALS |
| C94-007-1/<br>MX                    | MEXICO        | 940697             | 01/19/94       |                  |               | PRODUCTION OF HUMAN RECOMBINANT COLLAGEN IN THE MILK OF TRANSGENIC ANIMALS |
| C94-007-1/<br>AU                    | AUSTRALIA     | 6031794            | 01/19/94       |                  |               | PRODUCTION OF HUMAN RECOMBINANT COLLAGEN IN THE MILK OF TRANSGENIC ANIMALS |
| C94-007-1-D1                        | UNITED STATES | 08/485,194         | 06/07/95       |                  |               | PRODUCTION OF HUMAN RECOMBINANT COLLAGEN IN THE MILK OF TRANSGENIC ANIMALS |
| C94-007-A-D2                        | UNITED STATES | 08/473,465         | 06/07/95       |                  |               | PRODUCTION OF HUMAN RECOMBINANT COLLAGEN IN THE MILK OF TRANSGENIC ANIMALS |
| C94-018                             | UNITED STATES | 08/278,774         | 07/22/94       |                  |               | MUTATED RECOMBINANT COLLAGENS  |
| C94-018 D1                          | UNITED STATES | 08/630,654         | 04/10/96       |                  |               | MUTATED RECOMBINANT COLLAGENS  |
| C94-018/<br>EP                      | EUROPE        | 95108307.2         |                |                  |               | MUTATED RECOMBINANT COLLAGENS  |
| C95-028                             | UNITED STATES | 08/546,047         | 10/20/95       |                  |               | PRODUCTION OF RECOMBINANT PROCOLLAGEN IN YEAST                             |
| C95-030                             | UNITED STATES | 08/546,437         | 10/20/95       |                  |               | YEAST EXPRESSION SYSTEMS FOR THE PRODUCTION OF RECOMBINANT PROCOLLAGEN     |
| C95-028/PCT                         | PCT           | PCT/US96/1<br>6646 | 10/18/96       |                  |               | PRODUCTION OF RECOMBINANT PROCOLLAGEN                                      |
| 005921-<br>001100AU<br>91-248 AU    | AUSTRALIA     | 36196/93           | 02/16/93       | 666,712          | 06/11/96      | INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE  |
| 005921-<br>001100CA<br>91-248 CA    | CANADA        | 2,128,783          | 02/16/93       |                  |               | INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE  |
| 005921-<br>001100EP<br>91-248 EP    | EUROPE        | 93905057.1         | 02/16/93       | 627,899          |               | INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE  |
| 005921-<br>001100JP<br>91-248 JP    | JAPAN         | 5-514927           | 02/16/93       |                  |               | INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE  |
| 005921-<br>001120US<br>91-248 US CI | UNITED STATES | 08/101,333         | 08/02/93       | 5,352,715        | 10/04/94      | INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE  |
| 005921-001110<br>US<br>91-248 US DI | UNITED STATES | 07/920,412         | 07/27/92       | 5,204,382        | 04/20/93      | INJECTABLE CERAMIC COMPOSITIONS AND METHODS FOR THEIR PREPARATION AND USE  |
| 005921-001300<br>CA<br>91-255 CA    | CANADA        | 2,128,504          | 02/16/93       |                  |               | HIGH CONCENTRATION HOMOGENIZED COLLAGEN COMPOSITIONS                       |



# EXHIBIT A

| Atty. Ref<br>Client Ref.         | Country          | Serial<br>Number | Filing<br>Date | Patent<br>Number | Issue<br>Date | Title   |
|----------------------------------|------------------|------------------|----------------|------------------|---------------|---|
| 005921-001300<br>EP<br>91-255 EP | EUROPE           | 93905918.4       | 02/16/93       |                  |               | HIGH CONCENTRATION HOMOGENIZED<br>COLLAGEN COMPOSITIONS |
| 005921-001300<br>JP<br>91-255 JP | JAPAN            | 5-514905         | 02/16/93       |                  |               | HIGH CONCENTRATION HOMOGENIZED<br>COLLAGEN COMPOSITIONS |
| 005921-001300<br>EP 91-255 AU    | AUSTRALIA        | 93905918.4       | 02/16/93       |                  |               | HIGH CONCENTRATION HOMOGENIZED<br>COLLAGEN COMPOSITIONS |
| 005921-001310<br>US              | UNITED<br>STATES | 08/229,859       | 04/19/94       | 5,428,024        | 06/27/95      | HIGH CONCENTRATION HOMOGENIZED<br>COLLAGEN COMPOSITIONS |
| 8996-012-007<br>94-017 AU        | AUSTRALIA        | 20067/95         | 05/15/95       |                  |               | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |
| 8996-012-037<br>94-017-BR        | BRAZIL           | PI 9503331-9     | 07/14/95       |                  |               | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |
| 8996-012-001<br>94-017 CA        | CANADA           | 2,148,173        | 04/28/95       |                  |               | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |
| 8996-012-227<br>94-017 EP        | EUROPE           | 95108301.3       | 05/30/95       |                  |               | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |
| 8996-012-012<br>94-017 JP        | JAPAN            | 7-179232         | 07/14/95       |                  |               | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |
| 8996-012-009<br>94-017 MX        | MEXICO           | 952284           | 05/19/95       |                  |               | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |
| 8996-012-999<br>94-017 US CI     | UNITED<br>STATES | 08/360,512       | 12/21/94       | 5,540,657        | 07/30/96      | DELIVERY DEVICE FOR INJECTABLE<br>MATERIALS             |

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| FROM: Karen Canaan<br>Registration No. 42,382                       | FACSIMILE No.: (650) 251-7739<br>TELEPHONE No.: (650) 251-7700                                      |
| DATE: June 21, 2005   | PAGE 1 OF: 7  |
| SUBJECT: In re Change of Name<br>Atty Dkt No.: 2500-8010            | CONFIRMATION COPY TO FOLLOW:<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

Attached for recordation of a change of name are form PTO-1595 and Certificate of Amendment of the Restated Certificate of Incorporation of Cohesion Technologies, Inc and Exhibit A.  
Thank you!

KE 6/22/05 [Signature]

KE 6/22/05 [Signature]

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| FROM: Karen Canaan<br>Registration No. 42,382                                     | FACSIMILE No.: (650) 251-7739<br>TELEPHONE No.: (650) 251-7700                                      |
| DATE: June 21, 2005   | PAGE 1 OF: 7  |
| SUBJECT: In re Change of Name<br>Atty Dkt No.: 2500-8010                          | CONFIRMATION COPY TO FOLLOW:<br><input type="checkbox"/> YES <input checked="" type="checkbox"/> NO |

Attached for recordation of a change of name are form PTO-1595 and Certificate of Amendment of the Restated Certificate of Incorporation of Cohesion Technologies, Inc and Exhibit A.  
 Thank you!

Form PTO-1595  
(Rev. 10/02)  
OMB No. 0651-0027 (exp. 6/30/2005)

# RECORDATION FORM COVER SHEET PATENTS ONLY

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Cohesion Technologies, Inc.

Additional names(s) of conveying party(ies) attached? ☐ Yes ☒ No

3. Nature of Conveyance:

- ☐ Assignment ☐ Merger  
☐ Security Agreement ☒ Change of Name  
☐ Other \_\_\_\_\_

Execution Date: December 21, 2004

2. Name and address of receiving party(ies):

Name: Angiotech BioMaterials Corp.

Internal Address: \_\_\_\_\_

Street Address: P.O. Box 2840

101 W. North Bend Way,

City: North Bend State: WA Zip: 98045

Additional name(s) & address(es) attached? ☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: \_\_\_\_\_

A. Patent Application No.(s):

See Exhibit A

B. Patent No.(s):

See Exhibit A

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Karen Canaan, Reg. No. 42,382

Internal Address: \_\_\_\_\_

Street Address: Reed IP Law Group

1400 Page Mill Road

City: Palo Alto State: CA Zip: 94304

6. Total number of applications and patents involved: 71

7. Total fee (37 CFR 3.41) ..... \$ 2,840.00  
(\$40x71 files)

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☒ Authorized to be charged to deposit account

8. Deposit account number:

18-0580

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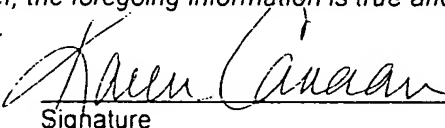
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9. Statement and Signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*

Karen Canaan, Reg. No. 42,382

Name of Person Signing

  
Signature

June 21, 2005

Date

Total number of pages including cover sheet, attachments, and documents: 6

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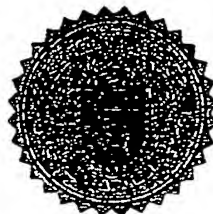
# Delaware

PAGE 1

*The First State*

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COHESION TECHNOLOGIES, INC.", CHANGING ITS NAME FROM "COHESION TECHNOLOGIES, INC." TO "ANGIOTECH BIOMATERIALS CORP.", FILED IN THIS OFFICE ON THE TWENTIETH DAY OF DECEMBER, A.D. 2004, AT 10:49 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2760402 8100

040920706

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 3565943

DATE: 12-21-04

**CERTIFICATE OF AMENDMENT  
OF THE RESTATED CERTIFICATE OF INCORPORATION OF  
COHESION TECHNOLOGIES, INC.**

Cohesion Technologies, Inc., a corporation duly organized and existing under the Delaware General Corporation Law (the "Corporation"), does hereby certify:

1. That Article FIRST of the Restated Certificate of Incorporation of the Corporation is hereby amended to read in its entirety as follows:

**"FIRST** The name of the corporation is Angiotech BioMaterials Corp."

2. That said amendment was duly adopted in accordance with the provisions of Section 242 of the Delaware General Corporation Law.

In witness whereof, the Corporation has caused this Certificate of Amendment to be executed by its duly authorized person this 20<sup>th</sup> day of December, 2004.

  
\_\_\_\_\_  
David Hall, Chief Financial Officer

## EXHIBIT A

| Matter No.   | Country | Serial Number | Filing Date | Patent Number | Issue Date |
|--------------|---------|---------------|-------------|---------------|------------|
| 2500-0183    | US      | 07/213,726    | 6/30/1988   | 5,024,841     | 6/18/1991  |
| 2500-0183.10 | US      | 07/630,299    | 12/19/1990  | 5,110,604     | 5/5/1992   |
| 2500-0183.11 | US      | 07/801,732    | 3/13/1991   | 5,219,576     | 6/15/1993  |
| 2500-0183.20 | US      | 07/286,303    | 12/16/1988  | 4,950,483     | 8/21/1990  |
| 2500-0185    | US      | 06/878,418    | 6/25/1986   | 4,803,075     | 2/7/1989   |
| 2500-0298    | US      | 07/870,210    | 4/13/1992   | 5,163,956     | 11/17/1992 |
| 2500-0306    | US      | 07/843,124    | 2/28/1992   | 5,480,644     | 1/2/1996   |
| 2500-0306.10 | US      | 08/444,187    | 5/18/1995   | 5,490,984     | 2/13/1996  |
| 2500-0507.20 | US      | 07/855,921    | 3/23/1992   | 5,290,552     | 3/1/1994   |
| 2500-2237.10 | US      | 930,142       | 8/14/1992   | 5,264,214     | 11/23/1993 |
| 2500-2237.11 | US      | 07/998,802    | 12/30/1992  | 5,304,595     | 4/19/1994  |
| 2500-2237.12 | US      | 08/110,577    | 8/23/1993   | 5,306,500     | 4/26/1994  |
| 2500-2237.13 | US      | 08/177,578    | 1/5/1994    | 5,376,375     | 12/27/1994 |
| 2500-2237.14 | US      | 08/198,128    | 2/17/1994   | 5,413,791     | 5/9/1995   |
| 2500-2237.15 | US      | 08/292,415    | 8/18/1994   | 5,523,348     | 6/4/1996   |
| 2500-2237.16 | US      | 08/368,874    | 1/5/1995    | 5,446,091     | 8/29/1995  |
| 2500-2237.17 | US      | 08/427,576    | 4/24/1995   | 5,543,441     | 8/6/1996   |
| 2500-2237.19 | US      | 08/478,510    | 6/7/1995    | 5,550,188     | 8/27/1996  |
| 2500-2237.20 | US      | 07/433,441    | 11/14/1989  | 5,162,430     | 11/20/1992 |
| 2500-2237.21 | US      | 07/922,541    | 7/30/1992   | 5,328,955     | 7/12/1994  |
| 2500-2237.22 | US      | 07/907,518    | 7/2/1992    | 5,324,775     | 6/28/1994  |
| 2500-2237.24 | US      | 07/984,197    | 12/2/1992   | 5,308,889     | 5/3/1994   |
| 2500-2237.25 | US      | 07/985,680    | 12/2/1992   | 5,292,802     | 3/8/1994   |
| 2500-2237.27 | US      | 08/146,843    | 11/3/1993   | 5,510,418     | 4/23/1996  |
| 2500-2237.28 | US      | 08/147,227    | 11/3/1993   | 5,565,519     | 10/15/1996 |
| 2500-2237.30 | US      | 08/434,958    | 5/4/1995    | 5,510,121     | 4/23/1996  |
| 2500-2237.31 | US      | 08/433,656    | 5/4/1995    | 5,470,911     | 11/28/1995 |
| 2500-2237.32 | US      | 08/434,725    | 5/4/1995    | 5,476,666     | 12/19/1995 |
| 2500-2270.01 | US      | 08/537,073    | 9/29/1995   | 5,807,581     | 9/15/1998  |
| 2500-2274    | US      | 08/403,360    | 3/14/1995   | 5,580,923     | 12/3/1996  |
| 2500-2275    | US      | 08/405,320    | 3/16/1995   | 5,693,341     | 12/2/1997  |
| 2500-2278    | US      | 08/274,673    | 7/13/1994   | 5,616,689     | 4/1/1997   |

| Matter No.   | Country | Serial Number | Filing Date | Patent Number | Issue Date |
|--------------|---------|---------------|-------------|---------------|------------|
| 2500-2282.02 | US      | 09/300,889    | 4/28/1999   | 6,165,489     | 12/26/2000 |
| 2500-2283    | US      | 08/236,769    | 5/2/1994    | 5,475,052     | 12/12/1995 |
| 2500-2283.01 | US      | 08/780,470    | 1/8/1997    | 5,800,541     | 9/1/1998   |
| 2500-2285    | US      | 08/574,050    | 12/18/1995  | 5,752,974     | 5/19/1998  |
| 2500-2286    | US      | 08/476,825    | 6/7/1995    | 5,614,587     | 3/25/1997  |
| 2500-2286.10 | US      | 08/853,496    | 5/8/1997    | 5,744,545     | 4/28/1998  |
| 2500-2286.11 | US      | 08/853,045    | 5/6/1997    | 5,786,421     | 7/28/1998  |
| 2500-2286.20 | US      | 08/573,801    | 12/18/1995  | 5,936,035     | 8/10/1999  |
| 2500-2287.01 | US      | 09/302,852    | 4/30/1999   | 6,166,130     | 12/26/2000 |
| 2500-2287.02 | US      | 09/733,739    | 12/8/2000   | 6,323,278     | 11/27/2001 |
| 2500-2287.03 | US      | 09/932,536    | 8/17/2001   | 6,534,591     | 3/18/2003  |
| 2500-2287.05 | US      | 10/766,104    | 1/27/2004   |               |            |
| 2500-2287.06 | US      | 10/766,146    | 1/27/2004   |               |            |
| 2500-2287.07 | US      | 10/766,726    | 1/27/2004   |               |            |
| 2500-2287.08 | US      | 10/766,095    | 1/27/2004   |               |            |
| 2500-2287.15 | US      | 10/873,833    | 6/21/2004   |               |            |
| 2500-2287.16 | US      | 10/971,684    | 10/22/2004  |               |            |
| 2500-2287.20 | US      | 08/769,806    | 12/18/1996  | 5,874,500     | 2/23/1999  |
| 2500-2287.21 | US      | 09/229,851    | 1/13/1999   | 6,051,648     | 4/18/2000  |
| 2500-2287.22 | US      | 09/883,138    | 6/15/2001   | 6,458,889     | 10/1/2002  |
| 2500-2287.24 | US      | 10/262,640    | 9/30/2002   | 6,833,408     | 12/21/2004 |
| 2500-2288.02 | US      | 10/448,246    | 5/28/2003   |               |            |
| 2500-2288.10 | US      | 09/344,230    | 6/25/1999   |               |            |
| 2500-2288.11 | US      | 10/997,246    | 11/23/2004  |               |            |
| 2500-2289    | US      | 08/431,950    | 5/1/1995    | 5,756,678     | 5/26/1998  |
| 2500-2290.10 | US      | 08/440,274    | 5/12/1995   | 5,527,856     | 6/18/1996  |
| 2500-2290.20 | US      | 08/287,549    | 8/8/1994    | 5,550,187     | 8/27/1996  |
| 2500-2290.21 | US      | 08/497,573    | 6/30/1995   | 5,643,464     | 7/1/1997   |
| 2500-2307.01 | US      | 08/101,333    | 8/2/1993    | 5,352,715     | 10/4/1994  |
| 2500-2307.10 | US      | 07/920,412    | 7/27/1992   | 5,204,382     | 4/20/1993  |
| 2500-2511.01 | US      | 09/436,903    | 11/9/1999   | 6,280,727     | 8/28/2001  |
| 2500-2511.20 | US      | 09/099,126    | 6/17/1998   | 6,096,309     | 8/1/2000   |
| 2500-2513    | US      | 09/293,708    | 4/16/1999   | 6,312,725     | 11/6/2001  |
| 2500-2513.20 | US      | 10/012,263    | 11/5/2001   | 6,624,245     | 9/23/2003  |



| Matter No.   | Country | Serial Number | Filing Date | Patent Number | Issue Date |
|--------------|---------|---------------|-------------|---------------|------------|
| 2500-2514    | US      | 09/578,814    | 5/24/2000   | 6,482,179     | 11/19/2002 |
| 2500-2515    | US      | 09/649,337    | 8/28/2000   | 6,495,127     | 12/17/2002 |
| 2500-2521.01 | US      | 09/199,139    | 11/24/1998  | 6,110,484     | 8/29/2000  |
| 2500-2521.02 | US      | 09/596,183    | 6/16/2000   | 6,277,394     | 8/21/2001  |
| 2500-2523    | US      | 10/412,710    | 4/10/2003   |               |            |

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